

INVITATION FOR BIDS (IFB) NO. 01-012
TO
FURNISH, DELIVER, AND INSTALL
HIGH PRESSURE LIQUID CHROMATOGRAPHY UNIT
FOR THE
PACIFIC BIOMEDICAL RESEARCH CENTER
UNIVERSITY OF HAWAII AT MANOA
HONOLULU, HAWAII

AUGUST, 2000

BOARD OF REGENTS
UNIVERSITY OF HAWAII
HONOLULU, HAWAII

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IT IS THE RESPONSIBILITY OF ALL BIDDERS TO CHECK THE TABLE OF CONTENTS TO CONFIRM THAT ALL PAGES LISTED THEREIN ARE CONTAINED IN THEIR BID PACKAGE.

BIDDER'S REMINDER:

Tax Clearance Certificate or OPRPRM Form 128, CERTIFICATION FOR TAX CLEARANCE, (see Special Provisions).

NOTICE TO BIDDERS

BID FORMS for IFB No. 01-012, High Pressure Liquid Chromatography Unit, Pacific Biomedical Research Center, will be available from and received in the OFFICE OF PROCUREMENT, REAL PROPERTY AND RISK MANAGEMENT, UNIVERSITY OF HAWAII, 1400 LOWER CAMPUS ROAD, ROOM 15, HONOLULU, HAWAII 96822, (an unofficial copy of the IFB is available on the Internet at <http://www.state.hi.us/bids/notice01.htm>) and must be submitted no later than 2:30 p.m., August 21, 2000, and at that time will be publicly opened.

Bids received after the time and date fixed for opening will not be considered.

Vendors located outside the Island of Oahu, Hawaii, USA, may request an official copy of the IFB to be sent via U.S. Postal Service by providing the vendor's name, address, contact person and telephone number. If express shipment is desired, requests must be submitted in writing with an account number, BILLABLE TO THE RECEIVER, and an authorized signature. Requests may be transmitted via facsimile, (808) 956-2093. Direct all questions to Bruce Isaacs, (808) 956-8634.

Kenneth P. Mortimer
President, University of
Hawaii and Chancellor,
University of Hawaii at Manoa

Advertised: Honolulu Star-Bulletin
Issue of: August 7, 2000

NOTICE TO BIDDERS

OPPRM FORM 115

BUSINESS CLASSIFICATION CERTIFICATION STATEMENT

(See Official Document)

BID FORM
TO
FURNISH, DELIVER, AND INSTALL
HIGH PRESSURE LIQUID CHROMATOGRAPHY UNIT

Office of Procurement, Real Property
and Risk Management
University of Hawaii
1400 Lower Campus Road, Room 15
Honolulu, Hawaii 96822

To Whom It May Concern:

The undersigned has carefully examined the INVITATION FOR BIDS (IFB) NO. 01-012, TO FURNISH, DELIVER, AND INSTALL HIGH PRESSURE LIQUID CHROMATOGRAPHY UNIT FOR THE PACIFIC BIOMEDICAL RESEARCH CENTER, UNIVERSITY OF HAWAII AT MANOA, HONOLULU, HAWAII, and offers to furnish, deliver, and install the equipment to Bekesy Laboratory of Neurobiology, University of Hawaii at Manoa, 1993 East-West Road, Room 108, Honolulu, Hawaii 96822, in strict accordance with the true intent and meaning of the Invitation for Bids (IFB) and shall complete delivery within FORTY-FIVE (45) consecutive calendar days from the date designated in the Notice to Proceed, as follows:

BASIC BID

<u>Description</u>	<u>Quantity</u>	<u>Total Amount</u>
High Pressure Liquid Chromatography Unit, as per Technical Specifications.	1	\$_____

Manufacturer and Model No. Offered _____

Prices shall be f.o.b. destination, including installation costs and all applicable taxes.

TAX LIABILITY

Both out-of-state and Hawaii bidders are advised that the amount bid on this solicitation is subject to the general excise tax (currently 4%) imposed by Chapter 237, Hawaii Revised Statutes (HRS) and, if tangible property is being imported into the State of Hawaii for resale, the use tax (currently 1/2%) imposed by Chapter 238, HRS. (Refer to Tax Clearance in the Special Provisions and Taxes in the General Provisions.) Bidders are therefore cautioned to consider such

taxes in formulating their bids since no adjustments to the prices bid shall be allowed.

BASIS FOR AWARD

The award of contract, if awarded, shall be made to the lowest responsive and responsible bidder on the **TOTAL AMOUNT**.

NOTE TO BIDDERS

An acceptable bid must conform in all material respects to this Invitation for Bids. Any of the following may be grounds for disqualification:

1. Taking exception to any of the specifications, terms or conditions contained in the IFB.
2. Placing conditions on the furnishing of solicited goods or services.
3. Inclusion of a quotation or order form containing additional specifications, terms or conditions.
4. Referencing external documents containing additional specifications, terms or conditions.

Bidders are advised that bids are evaluated as submitted and requests by bidders to delete conditions contained in their bids after bid opening cannot be considered.

In the event that the undersigned is awarded this contract and its remittance address differs from the address shown on the next page, please indicate remittance address below:

<hr/>		
Street Address or P. O. Box		
<hr/>		
City	State	Zip Code

SIGNATURE PAGE
(See Official Document)

CERTIFICATION FOR TAX CLEARANCE

(See Official Document)

TECHNICAL SPECIFICATIONS

This section indicates the Technical Specifications for the equipment required. The Technical Specifications listed herein are the minimum requirements and are mandatory for an accepted bid.

Furnish, deliver, and install High Pressure Liquid Chromatography Unit, which shall consist of and have the following specifications:

1. Autosampler

- a. Shall have low internal volume not greater than 300 μ l.
- b. Shall be continuous flow-through design to allow all parts in contact with sample to be flushed during run to minimize carryover.
- c. Shall be able to provide Peltier temperature control from 4°C to 40°C of up to 100 samples (2-ml vials).
- d. Shall have wide range of injection volumes from 0.1 μ l to 100 μ l without injector modification.
- e. Shall have repeatability for volumes from 1 μ l less than 0.5% and for 10 μ l and above, less than 0.2%.
- f. Shall have trays for 100-2 ml sample capacity, for 40-2 ml capacity, and for 15-6 ml capacity.
- g. Shall have thermostatted sample tray which is able to provide Peltier temperature control from 4°C to 40°C in 1°C increments of up to 100 samples.
- h. Shall have 1 to 99 injections per vial.
- i. Shall have 0.2 to 50 CP viscosity range.

2. Binary Pump

- a. Shall have electronically-controlled active inlet-valves for flow rates up to 5.0 ml/min. Able to set flow from 0.001 to 5 ml/min. in discrete steps of 0.001 ml/min.
- b. Shall have variable piston displacement from 20 - 100 μ l as a user selectable parameter, as well as automatic setting.
- c. Shall have pressure pulsation greater than 2% at 1 ml/min. isopropanol and all pressures larger than 0.1 Mpa (10bar), (147 psi).

- d. Flow path shall be able to tolerate solvent pH from 2.3 to 12.5 when mobile phase contains no acids.
3. Thermostatted Column Compartment
- a. Shall have range of 10 degrees below ambient to 80°C.
 - b. Shall have temperature stability of $\pm 0.15^\circ\text{C}$ and accuracy of $\pm 0.8^\circ\text{C}$ with calibration $\pm 0.5^\circ\text{C}$.
 - c. Shall have at least THREE (3) 30-cm columns.
 - d. Heat-up/cool-down time; not more than 5 minutes from ambient to 40°C, and 10 minutes from 40°C to 20°C.
4. Diode Array Detector
- a. Shall have 3D optics, simultaneous illumination using combined deuterium and tungsten lamps for highest intensity, and lowest detection limit from 190 to 950 nm, 1024 diodes for 1-nm slit for highest spectral resolution.
 - b. Shall have noise of $\pm 1.0 \times 10^{-5}$ AU, at 254 nm and drift of 2×10^{-3} AU/hr., at 254 nm.
 - c. Shall have linearity of <2 AU upper limit.
 - d. Shall have wavelength range of 190 to 950 nm, with accuracy of ± 1 nm.
 - e. Shall have programmable wavelength bunching, 2 to 400 nm, in steps of 1 nm.
5. Chemstation (computer hardware/software) for LC System.
- a. Able to perform complete instrument control, data acquisition, data evaluation, automation and reporting.
 - b. Able to support LC, GC, CE and acquisition-only instruments through A/D converts which shall be able to run at the same time.
 - c. Able to support up to TWO (2) separate diode array detector-based instruments running on different time-bases.
 - d. Able to support TWO (2) signal based instruments (GC/LC/CE or A/D) running simultaneously with a diode array detector-based instrument or one signal based instrument (GC/LC/CE or AD) running simultaneously with two diode array detector-based instruments.

- e. Able to support multi-detector configurations for each instrument.
- f. Able to support the full capability of the interfaced instrumentation including sample preprocessing with an injection program.
- g. Capable of expansion to support customization and additional functionality such as database organizer software module.
- h. Able to export information to other programs through industry standard protocols and file formats.
- i. Software shall be able to completely control all the supported instruments.
- j. Software shall be able to acquire at least EIGHT (8) signals simultaneously from one or more detectors for each instrument simultaneously with DAD spectra.
- k. Software shall be capable of acquiring spectral data in the following modes: continuous spectral acquisition, all spectra in a peak, peak apex+baseline+slope spectra and no spectra.
- l. Software shall be capable of monitoring the instrument during acquisition and recording both instrument performance parameters (temperature, pressure, etc.) and any unusual or unexpected events that would affect the integrity or quality of the results.
- m. PC hardware shall be made by the same vendor as the ChemStation software and the instruments shall be: Pentium III, 600 MHz or higher performance system with at least 128MB RAM, 4 Gb hard disk, a PCI compatible interface bus, Windows compatible pointing device, and a 17" color monitor.

All questions pertaining to the Technical Specifications shall be directed to Dr. Angel Yanagihara, telephone (808) 956-6980.

Bidders are cautioned to review the Technical Specifications carefully and thoroughly. Objections to or requests for clarification of the specifications shall be made in writing in accordance with the General Provisions to the Office of Procurement, Real Property and Risk Management prior to the submittal of a bid. The submittal of a bid shall be considered as acceptance of the specifications as published.

SPECIAL PROVISIONS

1. SCOPE

The Furnishing, Delivery, and Installation of High Pressure Liquid Chromatography Unit shall be in accordance with the terms and conditions of IFB No. 01-012 and the General Provisions dated February 23, 1996 included by reference. Copies of the General Provisions are available at the Office of Procurement, Real Property and Risk Management, University of Hawaii, 1400 Lower Campus Road, Room 15, Honolulu, Hawaii 96822 or the General Provisions may be viewed at:
<http://www.state.hi.us/bids/notice03.htm>

2. TECHNICAL REPRESENTATIVE OF THE PROCUREMENT OFFICER (TRPO)

The Technical Representative of the Procurement Officer is Dr. Angel Yanagihara, telephone (808) 956-6980.

3. SUBMITTAL OF TECHNICAL DATA

With their bids, bidders shall submit, in duplicate, manufacturer's literature or brochures with technical data and illustrations of the equipment being offered.

4. DELIVERY AND INSTALLATION

Prior to delivery, the Contractor shall contact the Technical Representative to coordinate delivery and installation of the equipment. The Contractor shall install the equipment in accordance with manufacturer's specifications. Final acceptance will be predicated upon installation and operation to the satisfaction of the University.

5. MANUALS AND INSTRUCTIONS

The Contractor shall provide the University with operating and maintenance manuals of the equipment furnished under this contract.

6. WARRANTY

The equipment furnished shall be new and as specified. The Contractor shall warrant that all workmanship and materials of equipment furnished under this contract shall be guaranteed for a period of ONE (1) year from the date of acceptance. The Contractor shall replace and/or repair any defective workmanship and/or materials at no cost to the University during the period of warranty, provided such defects are not due to abuse or negligence on the part of the University.

7. PAYMENT

The Contractor shall be remunerated upon submission of a properly executed original invoice and one copy, indicating the contract number, to the Pacific Biomedical Research Center, Fiscal Office, University of Hawaii at Manoa, 1993 East-West Road, Honolulu, Hawaii 96822, no later than THIRTY (30) calendar days following submission of invoice and the acceptance of the delivery and installation.

8. TRAINING

The Contractor shall provide on-site training on the proper use and operation of the equipment provided under this contract. The Contractor shall coordinate with the Technical Representative to arrange the date, time, and place for the training.

9. TAX CLEARANCE FOR CONTRACTS

In accordance with Section 103-53, HRS, bidders shall submit with their bid packages, original tax clearances from the State of Hawaii Department of Taxation and the Internal Revenue Service. In the event bidders are unable to obtain a tax clearance by mail in time to include it with their bid packages, bidders may submit a completed OPRPRM Form 128, CERTIFICATION FOR TAX CLEARANCE, in place of the DOTAX Form A-6, with their bid packages. However, an original tax clearance must be provided before contract award.

Tax clearances obtained shall certify that all tax returns due have been filed, and all taxes, interest, and penalties levied or accrued under the provisions of Title 14 that are administered by the State of Hawaii Department of Taxation and under the Internal Revenue Code against the bidder, have been paid. This shall apply to all contracts, whether with Hawaii bidders, out-of-state bidders, or nonprofit organizations.

This shall not apply to bidders if the State of Hawaii Department of Taxation certifies that the bidder is in good standing under a plan in which delinquent taxes are being paid to the State of Hawaii Department of Taxation (and the Internal Revenue Service, if applicable) in installments.

Offers that are not accompanied by original tax clearances or OPRPRM Form 128, CERTIFICATION FOR TAX CLEARANCE, may be considered as non-responsive and may be rejected.

Any questions pertaining to tax clearances may be addressed to the following:

- a. Internal Revenue Service, Compliance Division - LTC
300 Ala Moana Boulevard, #50089
Honolulu, Hawaii 96850-4922
Telephone No.: (808) 541-1160
- b. Department of Taxation
State of Hawaii
Oahu District Office
P.O. Box 259
Honolulu, Hawaii 96808-0259
Telephone No.: (808) 587-4242
Toll-Free: 1-800-222-3229

10. TAX CLEARANCE FOR FINAL PAYMENT

General Provision 7.2 entitled Tax Clearance, is hereby deleted and shall be replaced by the following:

TAX CLEARANCE FOR FINAL PAYMENT

In accordance with Section 103-53, HRS, final payment for the settlement of the contract will not be made by the University until the Contractor has submitted to the University original tax clearances from the State of Hawaii Department of Taxation and the Internal Revenue Service. Tax clearance shall certify that all tax returns due have been filed, and all taxes, interest, and penalties levied or accrued under the provisions of Title 14 that are administered by the State of Hawaii Department of Taxation and under the Internal Revenue Code against the Contractor have been paid.

Notwithstanding Sections 40-57 and 40-58, HRS, if a Contractor fails to provide the original tax clearances within SIX (6) months of the notice of final settlement or completion date of the contract, the University shall assign the final settlement payment in an amount not to exceed the tax liability to the State of Hawaii Department of Taxation or Internal Revenue Service, provided that the State of Hawaii Department of Taxation may first offset its tax debt against the sum owed to the Contractor. This shall apply to all contracts whether with Hawaii vendors, out-of-state vendors, or nonprofit organizations.

The foregoing shall not apply to the Contractor if the State of Hawaii Department of Taxation certifies that the Contractor is in good standing under a plan in which delinquent taxes are being paid to the State of Hawaii Department of Taxation (and the Internal Revenue Service, if applicable) in installments.

Any questions pertaining to tax clearances may be addressed

to the following:

- a. Internal Revenue Service, Compliance Division - LTC
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